



Montana DNRC – Status Update – July 29, 2019

Project Overview

Aero-Graphics was contracted by the State of Montana DNRC to acquire, process, and deliver aerial LiDAR data and derivative products that adhere to USGS specifications. The assigned project areas cover a total of 18,297 square miles located throughout Montana.

Coordinate System

Horizontal Datum: NAD83

Vertical Datum: NAVD88 (Geoid12b)

Projection: Montana State Plane - FIPS 2500

Units: Horizontal – Int. Foot | Vertical – US Foot

Project Deliverables

- Weekly status reports throughout the project
- Calibrated point cloud in LAS 1.4 format
- Classified point cloud in LAS 1.4 format
- Bare-Earth DEMs at a 3' cell size in ESRI-Grid format
- First-Return DEMs at a 3' cell size in ESRI-Grid format
- Intensity Imagery at a 3' cell size in GeoTIFF format
- DTM in ESRI Geodatabase and ASCII formats
- 1' and 2' contours in ESRI Geodatabase format
- Ground control and checkpoints in SHP format
- Bathymetric Survey data including cross-section point listing
- MT Licensed Surveyor Certification and Survey Report
- Technical Project Report in PDF format
- FGDC-compliant metadata in XML format

Work Completed: July 22 - 29, 2019

- 119 miles² acquired in Carbon/Stillwater
- 54 miles² acquired in Lincoln
- Completed processing and QA of checkpoints in Carbon/Stillwater
- Remaining Tongue River bathymetric survey scheduled for late August

Work Planned: July 29 – August 4, 2019

- Continue acquisition in Big Horn and Lincoln as weather permits
- Complete processing and QA of checkpoints in Custer
- Continue calibration of LiDAR data from Carbon and Stillwater
- Continue classification of remaining Dawson(QL2) and Fallon(QL2)

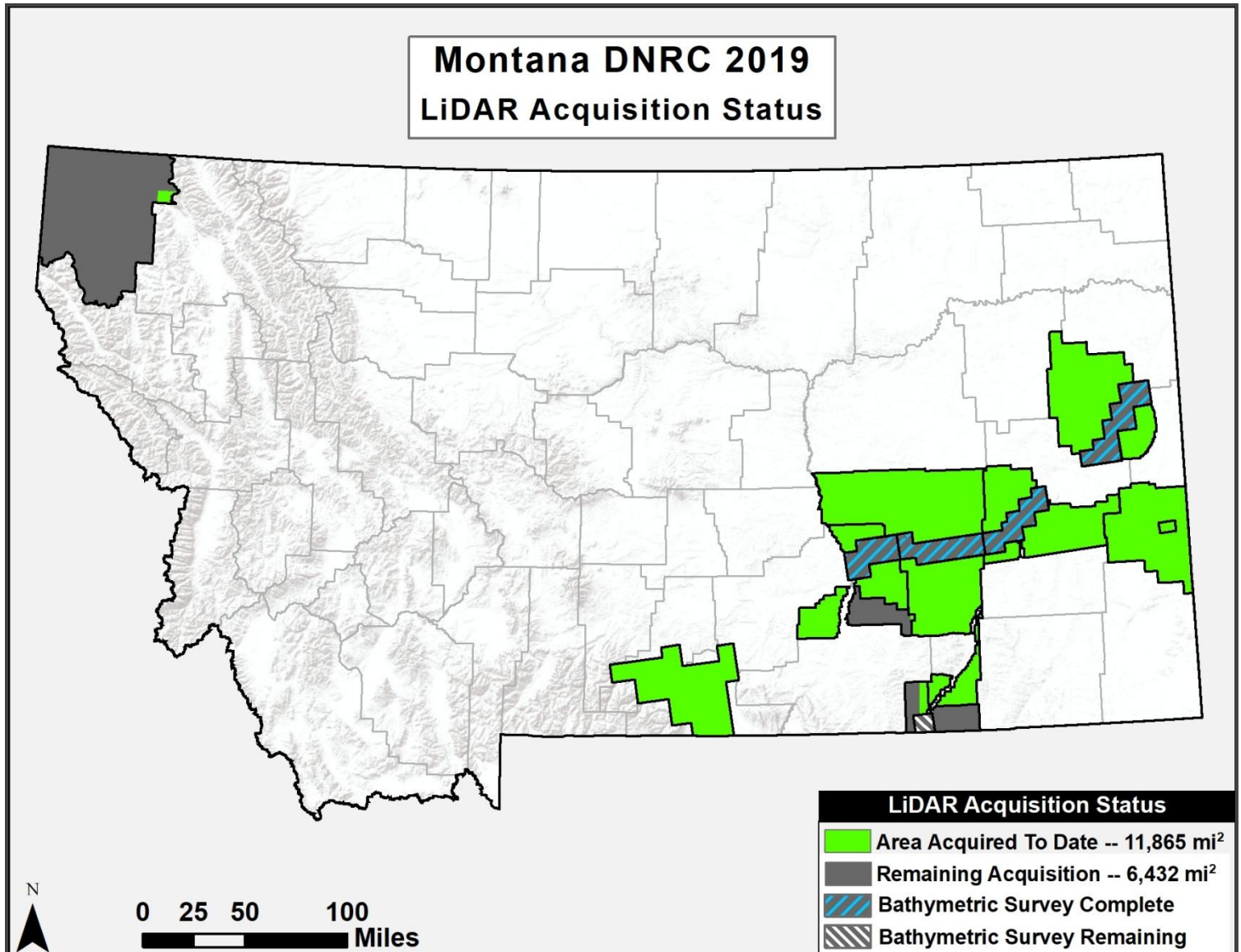
Ongoing Metrics - Summary

- Acquisition 65% complete
- Calibration complete in Fallon(QL1 and QL2), Dawson(QL2),Treasure(QL2), Custer(QL2), Rosebud(QL2)
- Classification complete in Fallon county(QL1)
- Town of Baker pilot delivered Thursday, July 11; accepted with minor corrections



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Montana DNRC 2019 LiDAR Acquisition Status



Acquisition Summary: July 22 - 29, 2019

Dates: July 22, 23, 29, 2019

Total Area Acquired: 173 mi²

Days on site: 3

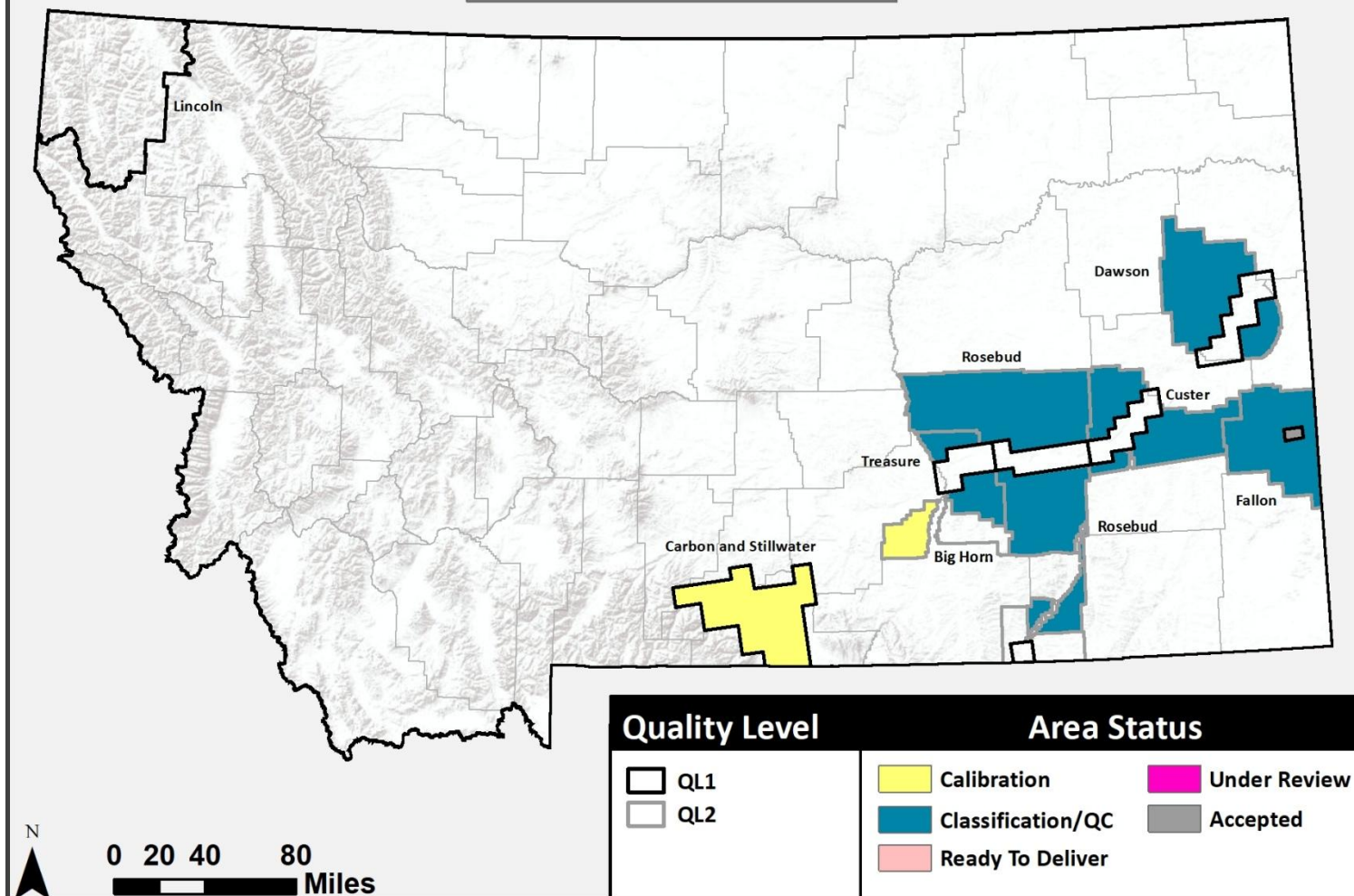
Days flown: 3

Percent of days on site suitable for acquisition: 100%



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Montana DNRC 2019 Data Processing Status



Delivery Status

- ☐ = In Progress
- ☒ = Final QC
- ✓ = Ready to deliver
- ☒ = Delivered

Delivery Areas			
<input checked="" type="checkbox"/>	Pilot- Town of Baker	<input type="checkbox"/>	Treasure County
<input type="checkbox"/>	Dawson County	<input type="checkbox"/>	Lincoln County
<input type="checkbox"/>	Custer County	<input type="checkbox"/>	Rosebud County
<input type="checkbox"/>	Carbon/Stillwater County	<input type="checkbox"/>	Fallon County
<input type="checkbox"/>	Big Horn County		